

## INTERNATIONAL SEARCH REPORT

Application No  
EP 03/05592

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07F17/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RYABOV A N ET AL: "ZIRCONIUM COMPLEXES WITH CYCLOPENTADIENYL LIGANDS INVOLVING FUSED A THIOPHENE FRAGMENT" ORGANOMETALLICS, ACS, COLUMBUS, OH, US, vol. 21, no. 14, 8 June 2002 (2002-06-08), pages 2842-2855, XP001106373 ISSN: 0276-7333 Schemes 1,2,5,6,11 page 2842, column 1 - page 2844 page 2847, column 1 -page 2855, column 1	1,3,4,9, 11
A	EP 0 576 970 A (HOECHST AG) 5 January 1994 (1994-01-05) cited in the application claim 1	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

22 August 2003

Date of mailing of the international search report

08/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Richter, H

## INTERNATIONAL SEARCH REPORT

International Application No.  
EP 03/05592

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 790 076 B (HOECHST AG) 5 December 2001 (2001-12-05) claims 6,9 claim 8	1-5
X	---	6
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. BRN 3296411 XP002252207 abstract & COOK ET AL.: J. CHEM. SOC, 1935, pages 1319-1322, ---	6
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. BRN 3261007 XP002252208 abstract & MAYER; SIEGLITZ: CHEM. BER., vol. 55, 1922, pages 1857-2920, -----	6

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Application No

PCT/EP 03/05592

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0576970	A	05-01-1994	AT 162194 T	15-01-1998
			AT 209964 T	15-12-2001
			AU 4149193 A	06-01-1994
			CA 2099214 A1	28-12-1993
			DE 59307969 D1	19-02-1998
			DE 59310245 D1	17-01-2002
			EP 0576970 A1	05-01-1994
			EP 0790076 A2	20-08-1997
			ES 2112355 T3	01-04-1998
			ES 2169288 T3	01-07-2002
			FI 932961 A	28-12-1993
			JP 6100579 A	12-04-1994
			RU 2118961 C1	20-09-1998
			US 6242544 B1	05-06-2001
			US 6051727 A	18-04-2000
			US 6255506 B1	03-07-2001
			US 5786432 A	28-07-1998
			US 5770753 A	23-06-1998
			US 5840644 A	24-11-1998
			US 2001021755 A1	13-09-2001
			ZA 9304577 A	01-02-1994
EP 0790076	B	20-08-1997	AT 162194 T	15-01-1998
			AT 209964 T	15-12-2001
			AU 4149193 A	06-01-1994
			CA 2099214 A1	28-12-1993
			DE 59307969 D1	19-02-1998
			DE 59310245 D1	17-01-2002
			EP 0576970 A1	05-01-1994
			EP 0790076 A2	20-08-1997
			ES 2112355 T3	01-04-1998
			ES 2169288 T3	01-07-2002
			FI 932961 A	28-12-1993
			JP 6100579 A	12-04-1994
			RU 2118961 C1	20-09-1998
			US 6242544 B1	05-06-2001
			US 6051727 A	18-04-2000
			US 6255506 B1	03-07-2001
			US 5786432 A	28-07-1998
			US 5770753 A	23-06-1998
			US 5840644 A	24-11-1998
			US 2001021755 A1	13-09-2001
			ZA 9304577 A	01-02-1994